

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1352	(acoustic or speaker\$1) same (equaliz\$3 and (correct\$3 or filter\$2))	US-PGPUB; USPAT	OR	ON	2007/02/20 15:02
L2	968	1 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/20 15:03
L3	400	2 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/20 15:52
L4	6	Jang-Dae-Young\$.in.	US-PGPUB; USPAT	OR	ON	2007/02/20 15:53
L5	2	Seo-Jeong-Il.in.	US-PGPUB; USPAT	OR	ON	2007/02/20 15:53
L6	37	Lee-Tae-Jin\$.in.	US-PGPUB; USPAT	OR	ON	2007/02/20 15:53
L7	100	Kim-Jin-Woong\$.in.	US-PGPUB; USPAT	OR	ON	2007/02/20 15:54
L8	16	Ahn-Chie-Teuk\$.in.	US-PGPUB; USPAT	OR	ON	2007/02/20 15:54
L9	146	(4 or 5 or 6 or 7 or 8)	US-PGPUB; USPAT	OR	ON	2007/02/20 15:55
L10	13	9 and ("3"\$2D or three\$2dimension\$4)	US-PGPUB; USPAT	OR	ON	2007/02/20 15:57
S1	11	US-3715710-\$.DID. OR US-3879698-\$.DID. OR US-4651311-\$.DID. OR US-4706228-\$.DID. OR US-4734894-\$.DID. OR US-4764906-\$.DID. OR US-4796608-\$.DID. OR US-5228011-\$.DID. OR US-5233972-\$.DID. OR US-5251614-\$.DID. OR US-5305287-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/06 10:53
S2	0	"10692769"	US-PGPUB; USPAT	OR	ON	2007/02/06 10:53
S3	0	"200401111171"	US-PGPUB; USPAT	OR	ON	2007/02/06 10:54
S4	1	"200401111171"	US-PGPUB; USPAT	OR	ON	2007/02/06 10:54
S5	3	US-6078669-\$.DID. OR US-6021386-\$.DID. OR US-5590207-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/06 11:41
S6	2344	((("381"/\$.ccls.) or (700/94.ccls.) or ("700"/\$.ccls.)) and ("3"\$1D or \$6dimensional\$1) and (encod\$3)	US-PGPUB; USPAT	OR	ON	2007/02/06 11:55

## EAST Search History

S7	17	"5943427"	US-PGPUB; USPAT	OR	ON	2007/02/06 11:55
S8	2344	((("381"/\$.ccls.) or (700/94.ccls.) or ("700"/\$.ccls.) or (381/17.ccls.) ) and ("3"\$1D or \$6dimensional\$1) and (encod\$3)	US-PGPUB; USPAT	OR	ON	2007/02/06 11:57
S9	1639	S8 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/20 09:48
S10	0	("2004/0111171").URPN.	USPAT	OR	ON	2007/02/06 12:24
S11	8	S9 and (encod\$3 and (edit\$3 same scene\$1))	US-PGPUB; USPAT	OR	ON	2007/02/06 12:34
S12	345	S9 and (encod\$3 and (edit\$3 and produc\$3))	US-PGPUB; USPAT	OR	ON	2007/02/06 12:37
S13	55	S12 and ((sound\$2 or audible\$1) and (microphone\$1))	US-PGPUB; USPAT	OR	ON	2007/02/06 12:59
S14	120381	(encod\$3 and (object\$1 and background\$1) and (rout\$3 or mix\$3) and (\$2D or \$7dimensional\$1))	US-PGPUB; USPAT	OR	ON	2007/02/06 13:06
S15	3117	S14 and ((("381"/\$.ccls.) or ("700"/\$.ccls.) or ("704"/\$.ccls.)) and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/06 14:42
S16	755	S15 and (\$7dimensional\$1)	US-PGPUB; USPAT	OR	ON	2007/02/06 13:09
S17	221	S16 and (microphone\$1)	US-PGPUB; USPAT	OR	ON	2007/02/06 13:43
S18	579	(microphone\$1 and input\$1) and (encod\$3 and decod\$3) and (synthesiz\$3) and ((("381"/\$.ccls.) or ("700"/\$.ccls.) or ("704"/\$.ccls.) ) and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/06 14:17
S19	197	\$7dimension\$2 and (microphone\$1 and input\$1) and (encod\$3 and decod\$3) and (synthesiz\$3) and ((("381"/\$.ccls.) or ("700"/\$.ccls.) or ("704"/\$.ccls.) ) and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/06 14:24
S20	693	\$7dimension\$2 and (microphone\$1 and input\$1) and (encod\$3 and decod\$3) and (synthesiz\$3) and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/06 14:25
S21	0	S20 and (scene\$1 adj2 (edit\$3 or produc\$3))	US-PGPUB; USPAT	OR	ON	2007/02/06 14:26
S22	170	S20 and (spatial\$7)	US-PGPUB; USPAT	OR	ON	2007/02/06 14:32

## EAST Search History

S23	36	"5493427"	US-PGPUB; USPAT	OR	ON	2007/02/06 14:32
S24	41	("3912386"   "4171874"   "4488786"   "4508428"   "4904063"   "4945407"   "4959641"   "4987487"   "5124834").PN. OR ("5493427"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/06 14:37
S25	6253	(sound\$1 same ("3"\$2D or three\$2dimension\$4))	US-PGPUB; USPAT	OR	ON	2007/02/06 14:39
S26	4259	S25 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/06 14:42
S27	526	S26 and (encod\$3 and (scene\$1 or synthesiz\$3))	US-PGPUB; USPAT	OR	ON	2007/02/06 15:06
S28	1	"20050078835"	US-PGPUB; USPAT	OR	ON	2007/02/06 15:11
S29	1	"20040142734"	US-PGPUB; USPAT	OR	ON	2007/02/06 15:14
S30	1	"20050071310"	US-PGPUB; USPAT	OR	ON	2007/02/06 15:27
S31	18493	(phone\$1 and wireless) and ("455"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/06 15:29
S32	9666	S31 and (@ad<"20021022")	US-PGPUB; USPAT	OR	ON	2007/02/06 15:30
S33	4237	S32 and (cell\$4 adj1 phone\$1)	US-PGPUB; USPAT	OR	ON	2007/02/06 15:30
S34	2437	S33 and (rotat\$3 or turn\$2 or movable\$1 or movably)	US-PGPUB; USPAT	OR	ON	2007/02/06 15:50
S35	653	((455/575.1.ccls.) or (455/575.3. ccls.) ) and (rotat\$3 or rotatably or movably or movable or mov\$6) and (@ad<"20021022")	US-PGPUB; USPAT	OR	ON	2007/02/06 15:52
S36	10	("6009336"   "6434403"   "6510325"   "6549789"   "6567677"   "6704586"   "6731952"   "6782281"   "6795715").PN. OR ("6999802"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/06 16:09
S37	822159	(device\$1 or phone\$1 or PDA) and (rotate\$1 or rotat\$3 or rotatobly) and (@ad<"20021022")	US-PGPUB; USPAT	OR	ON	2007/02/06 16:10
S38	27491	(camera\$1 and microphon\$2)	US-PGPUB; USPAT	OR	ON	2007/02/06 16:11
S39	4764	S38 and (speaker\$1 and keypad\$1)	US-PGPUB; USPAT	OR	ON	2007/02/06 16:11

## EAST Search History

S40	1300	S39 and (antenna\$1 and (battery))	US-PGPUB; USPAT	OR	ON	2007/02/06 16:12
S41	1	"20040156229"	US-PGPUB; USPAT	OR	ON	2007/02/06 16:24
S42	1	"20040142734"	US-PGPUB; USPAT	OR	ON	2007/02/07 08:18
S43	58	("4488146"   "4875185"   "5419707"   "5485517"   "5533097"   "5625673"   "5948086"   "6144358"   "6269395").PN. OR ("6549789"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/07 08:26
S44	10	("6009336"   "6434403"   "6510325"   "6549789"   "6567677"   "6704586"   "6731952"   "6782281"   "6795715").PN. OR ("6999802"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/07 08:31
S45	10	("6009336"   "6434403"   "6510325"   "6549789"   "6567677"   "6704586"   "6731952"   "6782281"   "6795715").PN. OR ("6999802"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/07 08:44
S46	11	"6731952"	US-PGPUB; USPAT	OR	ON	2007/02/07 08:44
S47	560	(keypad\$1 same (rotatably or rotat\$3 or detachable or detach\$6 or removeable or remov\$7)) and ("455"/\$.ccls.) and (@ad<"20021022")	US-PGPUB; USPAT	OR	ON	2007/02/07 08:57
S48	3	("5883684"   "5940215"   "6466292").PN. OR ("6925313"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/07 08:57
S49	3988	(keypad\$1 same (rotatably or rotat\$3 or detachable or detach\$6 or removeable or remov\$7)) and (@ad<"20021022")	US-PGPUB; USPAT	OR	ON	2007/02/07 08:58
S50	1253	S49 and (keypad\$1 same (rotatably or rotat\$3)) and (@ad<"20021022")	US-PGPUB; USPAT	OR	ON	2007/02/07 09:16
S51	1	"20040142734"	US-PGPUB; USPAT	OR	ON	2007/02/12 10:02
S52	3	("455"/\$.ccls.) and ((keypad\$1 with (fold\$3 or cover\$1)) and (display with (external and interior)))	US-PGPUB; USPAT	OR	ON	2007/02/12 10:04

## EAST Search History

S53	2	("6192258"   "6721278").PN. OR ("7120474").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/12 10:11
S54	14	US-3879751-\$.DID. OR US-4914586-\$.DID. OR US-4949379-\$.DID. OR US-5005200-\$.DID. OR US-5091975-\$.DID. OR US-5126543-\$.DID. OR US-5247497-\$.DID. OR US-5436972-\$.DID. OR US-5544255-\$.DID. OR US-5577120-\$.DID. OR US-5647017-\$.DID. OR US-5818955-\$.DID. OR US-6091835-\$.DID. OR US-6185316-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/12 13:17
S55	509	(381/61.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/14 12:48
S56	375	S55 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/14 12:51
S57	1076	(700/94.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/14 12:51
S58	619	S57 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/14 12:51
S59	944	(S56 or S58)	US-PGPUB; USPAT	OR	ON	2007/02/14 12:51
S60	155	S59 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3)))	US-PGPUB; USPAT	OR	ON	2007/02/19 12:41
S61	1	"20060029233"	US-PGPUB; USPAT	OR	ON	2007/02/15 08:23
S62	1	(disabl\$4 with (adjust\$3)) with (initial adj1 tim\$2)	US-PGPUB; USPAT	OR	ON	2007/02/15 08:25
S63	21672	(disabl\$4 or prevent\$3 or unable) with (adjust\$3 or chang\$3) with (tim\$2)	US-PGPUB; USPAT	OR	ON	2007/02/15 08:26
S64	311	(disabl\$4 or prevent\$3 or unable) with (adjust\$3 or chang\$3) with (initial with tim\$2)	US-PGPUB; USPAT	OR	ON	2007/02/15 08:30
S65	237	S64 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/15 08:32
S66	5224	(chang\$3 or adjust\$3) with (volum\$1) same (after with (second\$1 or tim\$2 or minut\$2))	US-PGPUB; USPAT	OR	ON	2007/02/15 08:31
S67	3669	S66 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/15 08:56

## EAST Search History

S68	18	S67 and ((381/104.ccls.) or (381/107.ccls.))	US-PGPUB; USPAT	OR	ON	2007/02/15 08:54
S69	6	S68 and (maximum with volum\$2)	US-PGPUB; USPAT	OR	ON	2007/02/15 08:55
S70	0	S68 and (maximum with volum\$2) same (unable or prevent\$3 or disabl\$3)	US-PGPUB; USPAT	OR	ON	2007/02/15 08:56
S71	21	((381/104.ccls.) or (381/107.ccls.)) and (maximum with volum\$2) same (unable or prevent\$3 or disabl\$3)	US-PGPUB; USPAT	OR	ON	2007/02/15 08:59
S72	17	S71 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/15 09:00
S73	4	((381/104.ccls.) or (381/107.ccls.)) and ((maximum with volum\$2) same ((unable or prevent\$3) with (adjust\$3 or chang\$3)))	US-PGPUB; USPAT	OR	ON	2007/02/15 09:00
S74	3	S73 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/15 10:14
S75	1	"20050026568"	US-PGPUB; USPAT	OR	ON	2007/02/15 10:15
S76	3	"6996445"	US-PGPUB; USPAT	OR	ON	2007/02/15 10:15
S77	3	US-6078669-\$.DID. OR US-6021386-\$.DID. OR US-5590207-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/15 11:11
S78	510	(381/61.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/15 11:18
S79	375	S78 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/15 14:32
S80	1080	(700/94.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/15 11:18
S81	619	S80 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/15 11:19
S82	944	(S79 or S81)	US-PGPUB; USPAT	OR	ON	2007/02/15 11:18
S83	155	S82 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3)))	US-PGPUB; USPAT	OR	ON	2007/02/15 12:50
S84	155	S83	US-PGPUB; USPAT	OR	ON	2007/02/15 11:18
S85	247	(381/17.ccls.) and (("3"\$1d) or ((three\$2) adj1 (dimension\$3)))	US-PGPUB; USPAT	OR	ON	2007/02/15 14:27
S86	169	S85 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/15 11:21

**EAST Search History**

2007/02/15 11:21

587

117

US-20020142736-\$ or  
US-20030035553-\$ or  
US-20020103553-\$ or  
US-20020062727-\$ or  
US-20020102946-\$ or  
US-20020128737-\$ or  
US-20030114200-\$ or  
US-20020161462-\$ or  
US-20060148517-\$ or  
US-20020122559-\$ or  
US-20010034229-\$ or  
US-20030007648-\$ or  
US-20020072395-\$ or  
US-20060164799-\$ or  
US-20060253801-\$ or  
US-20020133249-\$ or  
US-20020111705-\$ or  
US-20050282593-\$ or  
US-20030095669-\$ or  
US-20030045956-\$ or  
US-20040203485-\$ or  
US-20040132482-\$ or  
US-20050054393-\$ or  
US-20020103554-\$ or  
US-20030157957-\$ or  
US-20040064210-\$).did. or  
(US-20020129151-\$ or  
US-20030059057-\$ or  
US-20010003166-\$ or  
US-20030182130-\$ or  
US-20030219130-\$ or  
US-20020080977-\$ or  
US-20030086580-\$ or  
US-20030083023-\$ or  
US-20030064750-\$ or  
US-20030202665-\$).did. or  
(US-6549789-\$ or US-7120474-\$  
or US-6980835-\$ or US-7116789-\$  
or US-7065222-\$ or US-5943427-\$  
or US-7158843-\$ or US-7116788-\$  
or US-7099482-\$ or US-6990205-\$  
or US-6961433-\$ or US-6857960-\$  
or US-6798886-\$ or US-6795556-\$  
or US-6741711-\$ or US-6738479-\$  
or US-6700980-\$ or US-6544122-\$  
or US-6529191-\$ or US-6490359-\$  
or US-6445798-\$ or US-6430294-\$  
or US-6418226-\$ or US-6215879-\$  
or US-6026169-\$ or  
US-5974154-\$).did. or  
(US-5946400-\$ or US-5812688-\$  
or US-5703312-\$ or US-5633993-\$  
or US-5596645-\$ or US-7133730-\$  
or US-7174229-\$ or US-7142683-\$  
or US-6473663-\$ or US-7039477-\$  
or US-6471100-\$ or US-6959222-\$  
or US-6885900-\$ or US-6851571-\$  
or US-6741772-\$ or US-6604177-\$

US-PGPUB;  
USPAT

OR

ON

2/20/7  
C:\Dr

00007 3:58:50 PM

Arguments and Se

**4015170**

spaces\case 10692769.wsp

P:

## EAST Search History

S88	262	(S86 or S87)	US-PGPUB; USPAT	OR	ON	2007/02/15 12:38
S89	243	S88 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3)))	US-PGPUB; USPAT	OR	ON	2007/02/15 12:50
S90	27	("3665105"   "4648115"   "4731848"   "4792974"   "4817149"   "4908858"   "5046097"   "5073942"   "5337363"   "5371799"   "5500900"   "5521981").PN. OR ("5943427").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/15 14:21
S91	✓ 6723	((381/17.ccls.) or (381/61.ccls.) or ("700"/\$.ccls.)) and (interfac\$3 or controll\$3 or select\$3 or (edit\$3 or produc\$3) or operat\$3) and (("3"\$1d) or (three adj2 (dimension\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/15 14:35
S92	4745	S91 and (@ad<"20021028")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/15 14:43
S93	137	S92 and (rout\$3 and mix\$3 and encod\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/15 14:38
S94	4392	S91 and (interfac\$3 or controll\$3 or select\$3 or (edit\$3 or produc\$3) or operat\$3) and ((three adj2 (dimension\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/15 14:36
S95	152	S94 and (encod\$3 and synthesiz\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/15 14:39



## EAST Search History

S96	101	S95 and (@ad<"20021028")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/15 14:43
S97	33	Fay-Todor\$.in.	US-PGPUB; USPAT	OR	ON	2007/02/15 15:52
S98	19	("4526078"   "4716804"   "5052267"   "5164531"   "5179241"   "5218153"   "5218157"   "5235126"   "5278348"   "5281754"   "5286908"   "5315057"   "5355762"   "5455378"   "5496962"   "5753843"   "5777254").PN. OR ("6093881"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/15 15:53
S99	22	("4526078"   "4716804"   "5052267"   "5164531"   "5179241"   "5218153"   "5278348"   "5281754"   "5286908"   "5300725"   "5315057"   "5355762"   "5455378"   "5496962"   "5734119"   "5753843"   "5811706"   "5827989"   "5883957"   "5902947").PN. OR ("6353172").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/15 15:56
S10 0	559	(381/17.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/16 14:35
S10 1	6284	(sound\$1 same ("3"\$2D or three\$2dimension\$4))	US-PGPUB; USPAT	OR	ON	2007/02/16 14:35
S10 2	6284	S101	US-PGPUB; USPAT	OR	ON	2007/02/16 14:35
S10 3	2354	((("381"/\$.ccls.) or (700/94.ccls.) or ("700"/\$.ccls.) or (381/17.ccls.) ) and ("3"\$1D or \$6dimensional\$1) and (encod\$3)	US-PGPUB; USPAT	OR	ON	2007/02/16 14:37
S10 4	1639	S103 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/16 14:37
S10 5	1639	S104	US-PGPUB; USPAT	OR	ON	2007/02/16 14:37
S10 6	367	S100 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/16 14:38

## EAST Search History

S10 7	23	("4375287"   "5026051"   "5052685"   "5138660"   "5390938"   "5393073"   "5581618"   "5604810"   "5633985"   "5633993"   "5754660"   "5768393"   "5862229"   "5977471"   "5993318"   "6111959"   "6330486").PN. OR ("6544122"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/16 15:46
S10 8	234	((381/17.ccls.) or (381/60.ccls.) or (381/92.ccls.)) and ((auditory or ear\$3) adj1 (canal\$1 or in\$3) or eardrum\$1)	US-PGPUB; USPAT	OR	ON	2007/02/16 15:49
S10 9	144	S108 and (@ad<"20021023")	US-PGPUB; USPAT	OR	ON	2007/02/16 15:50
S11 0	8	("4004095"   "5596644"   "5734724"   "5841879"   "5862227"   "6125115"   "6173061").PN. OR ("6574339"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/16 16:24
S11 1	3	Baugh-Eric\$.in.	US-PGPUB; USPAT	OR	ON	2007/02/16 17:02
S11 2	137055	((vibrat\$3 and acoustic\$) or (vibro\$2 acoustic\$1) )	US-PGPUB; USPAT	OR	ON	2007/02/16 17:03
S11 3	134633	((vibrat\$3 with acoustic\$) or (vibro\$2 acoustic\$1) )	US-PGPUB; USPAT	OR	ON	2007/02/16 17:03
S11 4	8879	((vibrat\$3 with acoustic\$) or (vibro\$2 acoustic\$1) ) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/16 17:05
S11 5	8879	((vibrat\$3 WITH acoustic\$) or (vibro\$2 acoustic\$1) ) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/16 17:06
S11 6	8879	((vibrat\$3 WITH acoustic\$) or (vibro\$2 acoustic\$1) ) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/16 17:06
S11 7	1452	((vibrat\$3 WITH acoustic\$) or (vibro\$2acoustic\$1)) and ("381"/\$. ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/16 17:10
S11 8	1195	S117 and (@ad<"20031010")	US-PGPUB; USPAT	OR	ON	2007/02/16 17:11
S11 9	1065	S118 and (speaker\$1 or generat\$3)	US-PGPUB; USPAT	OR	ON	2007/02/16 17:16
S12 0	133	S119 and (emulat\$3 or simulat\$3)	US-PGPUB; USPAT	OR	ON	2007/02/16 17:16

## EAST Search History

S12 1	8879	((vibrat\$3 WITH acoustic\$) or (vibro\$2 acoustic\$1) ) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/16 17:30
S12 2	8879	S121	US-PGPUB; USPAT	OR	ON	2007/02/16 17:30
S12 3	8879	S121	US-PGPUB; USPAT	OR	ON	2007/02/16 17:30
S12 4	1452	((vibrat\$3 WITH acoustic\$) or (vibro\$2acoustic\$1)) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/16 17:30
S12 5	1195	S124 and (@ad<"20031010")	US-PGPUB; USPAT	OR	ON	2007/02/16 17:30
S12 6	1065	S125 and (speaker\$1 or generat\$3)	US-PGPUB; USPAT	OR	ON	2007/02/16 17:30
S12 7	1065	S126	US-PGPUB; USPAT	OR	ON	2007/02/16 17:30
S12 8	31	S127 and (disk\$1 with (driv\$2))	US-PGPUB; USPAT	OR	ON	2007/02/19 12:39
S12 9	536	(381/1.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/19 12:39
S13 0	384	S129 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/19 14:24
S13 1	114	S130 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3)))	US-PGPUB; USPAT	OR	ON	2007/02/19 13:05
S13 2	14409	(encod\$3 and audio )and (("3"\$1d) or ((three\$2) adj1 (dimension\$3)))	US-PGPUB; USPAT	OR	ON	2007/02/19 12:49
S13 3	8645	S132 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/19 12:50
S13 4	208	S133 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/19 12:50
S13 5	305	(381/18.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/19 13:05
S13 6	238	S135 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/19 13:19
S13 7	87	S136 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3)))	US-PGPUB; USPAT	OR	ON	2007/02/19 13:47
S13 8	172	(381/26.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/19 13:15
S13 9	102	S138 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/19 13:15
S14 0	35	S139 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3)))	US-PGPUB; USPAT	OR	ON	2007/02/19 15:16

## EAST Search History

S14 1	6036	(controll\$3 or interfac\$3 or interact\$3 or operat\$3 or interfac\$3) with (sound\$1 or audio) and (("3"\$1d) or ((three\$2) adj1 (dimension\$3))) and (games)	US-PGPUB; USPAT	OR	ON	2007/02/19 13:19
S14 2	3488	S141 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/19 13:20
S14 3	399	S142 and (encod\$3 and synthesiz\$3)	US-PGPUB; USPAT	OR	ON	2007/02/19 13:25
S14 4	1	"20040111171"	US-PGPUB; USPAT	OR	ON	2007/02/19 13:31
S14 5	13	Katayama-Masaki\$.in.	US-PGPUB; USPAT	OR	ON	2007/02/19 13:31
S14 6	3	S145 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3)))	US-PGPUB; USPAT	OR	ON	2007/02/19 13:32
S14 7	5	("5272757"   "5459790"   "5598478"   "6219736"   "6496122").PN. OR ("7133730").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/19 13:46
S14 8	2	"20020161462"	US-PGPUB; USPAT	OR	ON	2007/02/19 13:46
S14 9	2	S148 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3)))	US-PGPUB; USPAT	OR	ON	2007/02/19 14:20
S15 0	11	(sens\$ or detect\$3 or microphone\$1) and (channel\$1 and (dummy adj3 head\$1) and ambisonic)	US-PGPUB; USPAT	OR	ON	2007/02/19 14:29
S15 1	5	S150 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/19 15:16
S15 2	3	S151 and (microphone\$1)	US-PGPUB; USPAT	OR	ON	2007/02/19 14:25
S15 3	4	(microphone\$1) same (\$6channel\$1 and (dummy adj3 head\$1) and ambisonic)	US-PGPUB; USPAT	OR	ON	2007/02/19 14:29
S15 4	0	S153 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/19 14:30

# EAST Search History

S15 5	117	(US-20030219130-\$ or US-20030202665-\$ or US-20030182130-\$ or US-20040064210-\$ or US-20030095669-\$ or US-20040203485-\$ or US-20030157957-\$ or US-20030114200-\$ or US-20030083023-\$ or US-20030064750-\$ or US-20020102946-\$ or US-20010034229-\$ or US-20020142736-\$ or US-20020103553-\$ or US-20020062727-\$ or US-20010003166-\$ or US-20020128737-\$ or US-20020161462-\$ or US-20030007648-\$ or US-20020133249-\$ or US-20020122559-\$ or US-20030086580-\$ or US-20030045956-\$ or US-20030035553-\$ or US-20020111705-\$ or US-20020103554-\$).did. or (US-20020129151-\$ or US-20020080977-\$ or US-20030059057-\$ or US-20060148517-\$ or US-20060164799-\$ or US-20060253801-\$ or US-20050282593-\$ or US-20050054393-\$ or US-20020072395-\$ or US-20040132482-\$).did. or (US-7116789-\$ or US-7065222-\$ or US-7006636-\$ or US-7116788-\$ or US-6990205-\$ or US-6961433-\$ or US-7099482-\$ or US-6738479-\$ or US-6904152-\$ or US-6795556-\$ or US-6647119-\$ or US-6544122-\$ or US-6700980-\$ or US-6418226-\$ or US-6430294-\$ or US-6373954-\$ or US-5946400-\$ or US-6078669-\$ or US-6026169-\$ or US-5682433-\$ or US-5943427-\$ or US-5798922-\$ or US-5596645-\$ or US-6330486-\$ or US-5633993-\$ or US-6549789-\$).did. or (US-7120474-\$ or US-6980835-\$ or US-7158843-\$ or US-6857960-\$ or US-6798886-\$ or US-6741711-\$ or US-6529191-\$ or US-6490359-\$ or US-6445798-\$ or US-6215879-\$ or US-5974154-\$ or US-5812688-\$ or US-5703312-\$ or US-7174229-\$ or US-6472562-\$ or US-7122720-\$	US-PGPUB; USPAT	OR	ON	2007/02/19 15:11
2/20/2007 3:58:50 PM C:\Documents and Settings\paul\My Documents\EAST\Workspaces\case 10692769.wsp						

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## EAST Search History

S15 6	9	(US-20020151992-\$ or US-20020143413-\$ or US-20020161462-\$ or US-20030007648-\$ or US-20020133249-\$ or US-20030045956-\$ or US-20020128734-\$).did. or (US-7096079-\$ or US-6727096-\$). did.	US-PGPUB; USPAT	OR	ON	2007/02/19 15:11
S15 7	5	(US-20030053634-\$ or US-20020103554-\$ or US-20050080616-\$).did. or (US-7113610-\$ or US-7095865-\$). did.	US-PGPUB; USPAT	OR	ON	2007/02/19 15:12
S15 8	124	(S155 or S156 or S157)	US-PGPUB; USPAT	OR	ON	2007/02/19 15:12
S15 9	0	S158 and (sound\$1 adj2 seperat\$3)	US-PGPUB; USPAT	OR	ON	2007/02/19 15:12
S16 0	0	(sound\$1 adj2 seperat\$3) same (extract\$3)	US-PGPUB; USPAT	OR	ON	2007/02/19 15:15
S16 1	0	(sound\$1 with seperat\$3) same (extract\$3)	US-PGPUB; USPAT	OR	ON	2007/02/19 15:15
S16 2	392	(sound\$1 with separat\$3) same (extract\$3)	US-PGPUB; USPAT	OR	ON	2007/02/19 15:21
S16 3	245	S162 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/19 15:22
S16 4	38	S163 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3)))	US-PGPUB; USPAT	OR	ON	2007/02/19 15:17
S16 5	140	((sound\$1 with separat\$3) with (object\$1)) and (extract\$3)	US-PGPUB; USPAT	OR	ON	2007/02/19 15:22
S16 6	86	S165 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/20 08:17
S16 7	2	"20020161462"	US-PGPUB; USPAT	OR	ON	2007/02/20 09:47
S16 8	0	"20020161462""20040111171"	US-PGPUB; USPAT	OR	ON	2007/02/20 08:31
S16 9	1	"20040111171"	US-PGPUB; USPAT	OR	ON	2007/02/20 08:32
S17 0	222	((select\$3 or switch\$3) with (synthesiz\$3)) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/20 09:54
S17 1	192	S170 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/20 09:52

## EAST Search History

S17 2	32	(US-20030219130-\$ or US-20030169886-\$ or US-20030053633-\$ or US-20010012367-\$ or US-20030031334-\$ or US-20030182130-\$ or US-20060287747-\$ or US-20020151992-\$ or US-20020143413-\$ or US-20020161462-\$ or US-20030007648-\$ or US-20020133249-\$ or US-20030045956-\$ or US-20020128734-\$).did. or (US-6687377-\$ or US-7116789-\$ or US-7065222-\$ or US-7027600-\$ or US-7006636-\$ or US-6904152-\$ or US-6795556-\$ or US-6628787-\$ or US-6544122-\$ or US-6125115-\$ or US-6072878-\$ or US-6009394-\$ or US-5943427-\$ or US-6788790-\$ or US-6490359-\$ or US-6979164-\$ or US-7096079-\$ or US-6727096-\$).did.	US-PGPUB; USPAT	OR	ON	2007/02/20 09:49
S17 3	32	(US-20030219130-\$ or US-20030169886-\$ or US-20030053633-\$ or US-20010012367-\$ or US-20030031334-\$ or US-20030182130-\$ or US-20060287747-\$ or US-20020151992-\$ or US-20020143413-\$ or US-20020161462-\$ or US-20030007648-\$ or US-20020133249-\$ or US-20030045956-\$ or US-20020128734-\$).did. or (US-6687377-\$ or US-7116789-\$ or US-7065222-\$ or US-7027600-\$ or US-7006636-\$ or US-6904152-\$ or US-6795556-\$ or US-6628787-\$ or US-6544122-\$ or US-6125115-\$ or US-6072878-\$ or US-6009394-\$ or US-5943427-\$ or US-6788790-\$ or US-6490359-\$ or US-6979164-\$ or US-7096079-\$ or US-6727096-\$).did.	US-PGPUB; USPAT	OR	ON	2007/02/20 09:49

## EAST Search History

S17 4	6	(US-20030053634-\$ or US-20020103554-\$ or US-20050080616-\$ or US-20030053680-\$).did. or (US-7113610-\$ or US-7095865-\$). did.	US-PGPUB; USPAT	OR	ON	2007/02/20 09:49
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## EAST Search History

S17 5	117	(US-20030219130-\$ or US-20030202665-\$ or US-20030182130-\$ or US-20040064210-\$ or US-20030095669-\$ or US-20040203485-\$ or US-20030157957-\$ or US-20030114200-\$ or US-20030083023-\$ or US-20030064750-\$ or US-20020102946-\$ or US-20010034229-\$ or US-20020142736-\$ or US-20020103553-\$ or US-20020062727-\$ or US-20010003166-\$ or US-20020128737-\$ or US-20020161462-\$ or US-20030007648-\$ or US-20020133249-\$ or US-20020122559-\$ or US-20030086580-\$ or US-20030045956-\$ or US-20030035553-\$ or US-20020111705-\$ or US-20020103554-\$).did. or (US-20020129151-\$ or US-20020080977-\$ or US-20030059057-\$ or US-20060148517-\$ or US-20060164799-\$ or US-20060253801-\$ or US-20050282593-\$ or US-20050054393-\$ or US-20020072395-\$ or US-20040132482-\$).did. or (US-7116789-\$ or US-7065222-\$ or US-7006636-\$ or US-7116788-\$ or US-6990205-\$ or US-6961433-\$ or US-7099482-\$ or US-6738479-\$ or US-6904152-\$ or US-6795556-\$ or US-6647119-\$ or US-6544122-\$ or US-6700980-\$ or US-6418226-\$ or US-6430294-\$ or US-6373954-\$ or US-5946400-\$ or US-6078669-\$ or US-6026169-\$ or US-5682433-\$ or US-5943427-\$ or US-5798922-\$ or US-5596645-\$ or US-6330486-\$ or US-5633993-\$ or US-6549789-\$).did. or (US-7120474-\$ or US-6980835-\$ or US-7158843-\$ or US-6857960-\$ or US-6798886-\$ or US-6741711-\$ or US-6529191-\$ or US-6490359-\$ or US-6445798-\$ or US-6215879-\$ or US-5974154-\$ or US-5812688-\$ or US-5703312-\$ or US-7174229-\$ or US-6177662-\$ or US-7127720-\$	US-PGPUB; USPAT	OR	ON	2007/02/20 09:50
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## EAST Search History

S17 6	138	(S172 or S174 or S175)	US-PGPUB; USPAT	OR	ON	2007/02/20 09:50
S17 7	8	S176 and S171	US-PGPUB; USPAT	OR	ON	2007/02/20 09:50
S17 8	40	((select\$3 or switch\$3) adj2 (synthesiz\$3)) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/20 09:51
S17 9	36	S178 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/20 09:55
S18 0	4580	((select\$3 or switch\$3) with (synthesiz\$3)) same (controll\$3)	US-PGPUB; USPAT	OR	ON	2007/02/20 09:54
S18 1	692	((select\$3 or switch\$3) with (synthesiz\$3)) same (controll\$3 with use\$1)	US-PGPUB; USPAT	OR	ON	2007/02/20 09:57
S18 2	521	S181 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/20 09:57
S18 3	231	((select\$3 or switch\$3) with (synthesiz\$3)) same (user\$1 adj2 interfac\$3)	US-PGPUB; USPAT	OR	ON	2007/02/20 10:44
S18 4	153	S183 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/20 10:44
S18 5	7	((select\$3 adj2 synthesiz\$3)) same (user\$1 adj2 interfac\$3)	US-PGPUB; USPAT	OR	ON	2007/02/20 10:44
S18 6	4	S185 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/20 12:49
S18 7	6288	(sound\$1 same ("3"\$2D or three\$2dimension\$4))	US-PGPUB; USPAT	OR	ON	2007/02/20 12:51
S18 8	6288	S187	US-PGPUB; USPAT	OR	ON	2007/02/20 12:52
S18 9	145	S188 and (background adj2 sound\$2)	US-PGPUB; USPAT	OR	ON	2007/02/20 13:02
S19 0	103	S189 and (@ad<"20021028")	US-PGPUB; USPAT	OR	ON	2007/02/20 13:02
S19 1	2	S190 and (select\$3 adj3 (background adj2 sound\$2))	US-PGPUB; USPAT	OR	ON	2007/02/20 15:00